

IN THE CLAIMS

Please cancel claims 1, 3-5, and 10-20 without prejudice or disclaimer of their subject matter, and add claims 21-50, as follows:

1 | -~~21~~ A method, comprising:

2 connecting a video display unit to a computer system after said computer system has been
3 powered on and initialized, said video display unit conveying varying visual information to a user;

4 detecting whether said video display unit is connected to said computer system;

5 when said video display unit is detected as being connected to said computer system, reading
6 first data corresponding to said video display unit;

7 determining whether said first data corresponds to second data stored in a memory unit; and

8 when said first data does not correspond to said second data stored in said memory unit,
9 storing said first data in said memory unit and identifying a resolution corresponding to said video
10 display unit and transmitting said resolution to a video card coupled to said video display unit.

1 ~~7~~ ⁶ ~~22~~ The method of claim ~~21~~, said connecting, detecting, reading, determining, storing,
2 identifying, and transmitting being performed without rebooting said computer system.

1 ~~28~~ ⁷ ~~23~~ The method of claim ~~22~~, said detecting further comprising a polling operation
2 periodically checking to sense when said video display unit is connected to said computer system.

1 ~~29~~ ⁶ ~~24~~ The method of claim ~~21~~, said detecting further comprising a polling operation

2 periodically checking to sense when said video display unit is connected to said computer system.

1 5 25. The method of claim 21, said detecting further comprising a sensing of an interrupt
2 signal occurring when said video display unit is connected to said computer system.

1 6 26. A method, comprising:

2 connecting a video display unit to a computer system after said computer system has been
3 initialized and while said computer system is being operated by a user, said video display unit
4 conveying varying visual information to a user;

5 detecting whether said video display unit is connected to said computer system;

6 when said video display unit is detected as being connected to said computer system, reading
7 first data corresponding to said video display unit; and

8 transmitting resolution data to a video card coupled to said video display unit, said resolution
9 data corresponding to said first data.

1 12 27. The method of claim 26, said connecting, detecting, reading, and transmitting being
2 performed without rebooting said computer system.

1 13 28. The method of claim 21, said detecting further comprising a polling operation
2 periodically checking to sense when said video display unit is connected to said computer system.

1 14 29. The method of claim 26, said detecting further comprising a polling operation

2 periodically checking to sense when said video display unit is connected to said computer system.

1 15 20. The method of claim 26, said detecting further comprising a sensing of an interrupt
2 signal occurring when said video display unit is connected to said computer system.

1 16 21. A method, comprising:
2 powering on a computer system;
3 connecting a video display unit to a computer system after said powering on of said computer
4 system, said video display unit conveying varying visual information to a user;
5 detecting whether said video display unit is connected to said computer system;
6 when said video display unit is detected as being connected to said computer system, reading
7 first data corresponding to said video display unit; and
8 transmitting resolution data to a video card coupled to said video display unit, said resolution
9 data corresponding to said first data.

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1 17 22. The method of claim 21, said connecting, detecting, reading, and transmitting being
2 performed without restarting said computer system.

1 18 23. The method of claim 22, said detecting further comprising a polling operation
2 periodically checking to sense when said video display unit is connected to said computer system.

1 19 24. The method of claim 21, said detecting further comprising a polling operation

2 periodically checking to sense when said video display unit is connected to said computer system.

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1 20, 35. The method of claim 31, said detecting further comprising a sensing of an interrupt
2 signal occurring when said video display unit is connected to said computer system.

1 21, 36. An apparatus, comprising:

2 a computer system processing data;

3 a video display unit conveying varying visual information to a user, said video display unit

4 being connected to said computer system after said computer system has been powered on and
5 initialized;

6 a processing unit being installed in said computer system, said processing unit processing
7 the data including the visual information, said processing unit detecting whether said video display
8 unit is connected to said computer system, said processing unit reading first data corresponding to
9 said video display unit when said video display unit is detected, said processing unit determining
10 whether said first data corresponds to second data stored at said computer system, said processing
11 unit storing said first data and determining resolution data corresponding to said video display unit
12 and transmitting said resolution data when said first data does not correspond to said second data.
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1 22, 37. The apparatus of claim 36, further comprising a video card disposed between said
2 processing unit and said video display unit, said video card receiving said resolution data transmitted
3 from said processing unit.

23 ~~38.~~

The apparatus of claim ~~36~~, further comprising:

a first memory installed in said video display unit, said processing unit reading said first data

from said first memory;

a second memory installed in said computer system, said second data being stored in said second memory; and

said processing unit storing said first data in said second memory when said first data does not correspond to said second data.

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The apparatus of claim ~~38~~, said detecting performed by said processing unit including a polling operation periodically checking to sense when said video display unit is connected to said computer system.

25 ~~40.~~

The apparatus of claim ~~36~~, said resolution data corresponding to an optimal resolution of said video display unit.

26 ~~41.~~

The apparatus of claim ~~36~~, wherein said video display unit is selected from among a cathode ray tube, a liquid crystal display, a gas-plasma display, a light emitting diode display, an electro-luminescent display, and a field emission display.

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The apparatus of claim ~~36~~, said detecting performed by said processing unit including a polling operation periodically checking to sense when said video display unit is connected to said computer system.

1 **28** ~~43.~~ An apparatus, comprising:

2 a computer system processing data;

3 a video display unit conveying varying visual information to a user, said video display unit

4 being connected to said computer system after said computer system has been booted; and

5 a processing unit being installed in said computer system, said processing unit processing

6 the data including the visual information, said processing unit detecting whether said video display

7 unit is connected to said computer system, said processing unit reading first data corresponding to

8 said video display unit and transmitting resolution data corresponding to said first data.

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1 **29** ~~44.~~ The apparatus of claim ~~43~~, further comprising a video card disposed between said
2 processing unit and said video display unit, said video card receiving said resolution data transmitted
3 from said processing unit.

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1 **30** ~~45.~~ The apparatus of claim ~~43~~, further comprising a first memory installed in said video
2 display unit, said processing unit reading said first data from said first memory.

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1 **31** ~~46.~~ The apparatus of claim ~~43~~, said resolution data corresponding to an optimal resolution
2 of said video display unit.

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1 **32** ~~47.~~ The apparatus of claim ~~43~~, said processing unit performing said detecting, reading,
2 and transmitting without restarting said computer system.

1 ~~33~~ ²⁷ ~~48.~~ The apparatus of claim ~~47~~, said detecting performed by said processing unit including
2 a polling operation periodically checking to sense when said video display unit is connected to said
3 computer system.

1 ~~34~~ ²⁸ ~~49.~~ The apparatus of claim ~~43~~, said detecting performed by said processing unit including
2 a polling operation periodically checking to sense when said video display unit is connected to said
3 computer system.
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1 ~~35~~ ²⁸ ~~50.~~ The apparatus of claim ~~43~~, said detecting performed by said processing unit including
2 a sensing of an interrupt signal occurring when said video display unit is connected to said computer
3 system.--